REMARKS

This amendment is being submitted to provide a corrected Sequence Listing to comply with the Notice. In particular, Applicant revised SEQ ID NOS: 1 and 2 to represent the variable length sequences as requested in the Notice. Applicant also corrected a typographical error that appeared in SEQ ID NOS: 2 and 13. For SEQ ID NO:2, this change occurs at VARIANT

Position 18 in the new Sequence Listing and provides a methionine (Met) in place of the valine (Val) which was at VARIANT Position 16 in the old Sequence Listing. (The position number changed because the length of SEQ ID NO:2 increased due to the changed representation of the variable length sequences.) The same change occurs at VARIANT Position 16 in SEQ ID NO: 13, which overall sequence length was unchanged. Support for this change is found in the Specification at Page 21 in Table 2, in the box which indicates that when G is the second base, the amino acids at position 3 in the ZFP is Ser, Ala or Met. Accordingly, the original disclosure indicated that the amino acid choice should include Met (not Val) and this amendment does not introduce new matter.

If there are any questions, please call the undersigned at the telephone number indicated below.

Respectfully submitted,

December 4, 2001

M. Lisa Wilson Reg. No. 34,045

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New York, NY 10022 Tel.: 212-937-7200

Fax: (212) 937-7300

Direct Line: (212) 937-7258

Appendix B - Marked Up Version

SEQUENCE LISTING

Marie 1

```
<110> Sera, Takashi
<120>
       Zinc Finger Domain Recognition Code and Uses Thereof
<130>
       109845.135 [109845-130]
<140> US 09/911,261
<141>
      2001-07-23
<150>
       US 60/220,060
<151>
       2000-07-21
<160>
       69
<170> PatentIn version 3.0
<210>
      32 [28]
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<212>
       PRT
<213> Artificial Sequence
<220>
<223> Zinc finger domain
<220>
<221> MISC FEATURE
<222> (1)..(32) [(28)]
<223> Amino acids 1-3, 10-21 [8-19] and 29-32 [25-28] are Xaa wherein
Xaa = any
 amino acid.
<220>
<221> VARIANT
       (5)..(8) [(6)]
<222>
<223> Amino acids 5-8 are [5 is] Xaa wherein Xaa = any amino acid, and
up to two can be missing [amino acids 5 and 6 together represent from 2
to 4 amino acids in length].
<220>
<221> VARIANT
<222>
       (23)..(27) [(21)..(23)]
<223> Amino acids 23-27 are [23 is] Xaa wherein Xaa = any amino acid,
and up to two can be missing [amino acids 21-23 together represent from
3 to 5 amino acids in length].
<400> 1
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Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa

<220>

10

```
<210> 2
<211>
      32 [28]
<212>
      PRT
      Artificial Sequence
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<223> Zinc finger domain
<220>
<221> MISC FEATURE
<222> (1)..(32) [(28)]
<223> Amino acids 1-3, 10-14, 16, 19, 20 and 29-32 [8-12, 14, 17-18 and
25-28] are Xaa wherein Xaa = any
 amino acid.
<220>
<221> VARIANT
<222>
      (5)..(8)[(6)]
<223> Amino acids 5-8 are [5 is] Xaa wherein Xaa = any amino acid, and
up to two can be missing [amino acids 5 and 6 together represent from 2
to 4 amino acids in length].
<220>
<221> VARIANT
      (23)..(27) [(21)..(23)]
<223> Amino acids 23-27 are [21 is] Xaa wherein Xaa = any amino acid,
and up to two can be missing [amino acids 21-23 together represent form
3 to 5 amino acids in length].
<220>
<221> VARIANT
       (15)..(15) [(13)..(13)]
       Amino acid 15 [13] is Xaa wherein Xaa = Z-1 wherein Z-1 = Arg or
<223>
Lys,
       Gln or Asn, Thr, Met, Leu or Ile, or Glu or Asp.
<220>
<221> VARIANT
       (17)..(17) [(15)..(15)]
<223> Amino acid 17 [15] is Xaa wherein Xaa = Z2 wherein Z2 = Ser or
Arg,
 Asn, Gln, Thr, Val or Ala, or Asp or Glu.
```

<221> VARIANT ---: <222> (18)..(18) [(16)..(16)] Amino acid 18 [16] is Xaa wherein Xaa = Z3 wherein Z3 = His or <223> Asn or Gln, Ser, Ala or Met [Val], or Asp or Glu. <220> <221> VARIANT <222> (21)..(21) [(19)..(19)] Amino acid 21 [19] is Xaa wherein Xaa = Z6 wherein Z6 = Arg or Gln or Asn, Thr, Tyr, Leu, Ile or Met, or Glu or Asp. <400> 2 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa 20 25 <210> 3 <211> 196 <212> PRT <213> Artificial Sequence <220> <223> Zinc finger protein <400> 3 Val Pro Ile Pro Gly Lys Lys Gln His Ile Cys His Ile Gln Gly 15 Cys Gly Lys Val Tyr Gly Gln Ser Ser Asp Leu Gln Arg His Leu Arg 25 Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His 55 Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met 65 70 80 Arg Ser Asp Glu Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys 90 95 85

Asp Gly Gly Ser Gly Lys Lys Gln His Ile Cys His Ile Gln

100 105

Gly Cys Gly Lys Val Tyr Gly Thr Thr Ser Asn Leu Arg Arg His Leu 115 120 125

Arg Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys 130 135 140

Gly Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr 145 150 155 160

His Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe 165 170 175

Met Arg Ser Asp His Leu Ser Arg His Ile Lys Thr His Gln Asn Lys 180 185 190

Lys Gly Gly Ser 195

<210> 4

<211> 99

<212> PRT

<213> Artificial Sequence

<220>

<223> Zinc finger protein

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Val Pro Ile Pro Gly Lys Lys Gln His Ile Cys His Ile Gln Gly
1 5 10 15

Cys Gly Lys Val Tyr Gly Thr Thr Ser Asn Leu Arg Arg His Leu Arg 20 25 30

Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp -Ser Tyr Cys Gly

35 40 45

Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His 50 55 60

Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met 65 70 75 80

Arg Ser Asp His Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys 85 90 95

Gly Gly Ser

<210> 5
<211> 99
<212> PRT
<213> Artificial Sequence
<220>
<223> Zinc finger protein

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His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

15

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser His Leu Gln Gln His Gln 50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

<400>

5

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<213> Artificial Sequence
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1 5 10 15

His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Glu Ser Ser Asp Leu Gln Arg His Gln 50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

<210> 7

<211> 99

<212> PRT

<213> Artificial Sequence

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<223> Zinc finger protein

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1 10 15

His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser His Leu Gln Glu His Gln 50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro-Glu Cys Gly Lys

65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

<210> 8

<211> 99

<212> PRT

<213> Artificial Sequence

<220>

<223> Zinc finger protein

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Met Glu Lys Leu Arg Asn Gly Ser Gly Asp Pro Gly Lys Lys Gln
1 5 10 15

His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu Gln Arg His Gln 50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

<210> 9

<211> 99

<212> PRT

<213> Artificial Sequence

<220>

<223> Zinc finger protein

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Met Glu Lys Leu Arg Asn Gly Ser Gly Asp Pro Gly Lys Lys Lys Gln
1 10 15

His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser Asn Leu Gln Glu His Gln 50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

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<211> 99

<212> PRT

<213> Artificial Sequence

<220>

<223> Zinc finger protein

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Met Glu Lys Leu Arg Asn Gly Ser Gly Asp Pro Gly Lys Lys Gln
1 5 10 15

His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu 20 25 30

Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro 35 40 45

Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asp Leu Gln Arg His Gln
50 55 60

Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 65 70 75 80

Ser Phe Ser Arg Ser Asp His Leu Ser Arg His Gln Arg Thr His Gln 85 90 95

Asn Lys Lys

<210> 11

<211> 229

<212> PRT

<213> Human

<400> 11

Met Arg Leu Ala Lys Pro Lys Ala Gly Ile Ser Arg Ser Ser Gln 1 5 10 15

Gly Lys Ala Tyr Glu Asn Lys Arg Lys Thr Gly Arg Gln Arg Glu Lys 25

Trp Gly Met Thr Ile Arg Phe Asp Ser Ser Phe Ser Arg Leu Arg Arg

Ser Leu Asp Asp Lys Pro Tyr Lys Cys Thr Glu Cys Glu Lys Ser Phe

Ser Gln Ser Ser Thr Leu Phe Gln His Gln Lys Ile His Thr Gly Lys 70 80

Lys Ser His Lys Cys Ala Asp Cys Gly Lys Ser Phe Phe Gln Ser Ser 85

90

95

Asn Leu Ile Gln His Arg Arg Ile His Thr Gly Glu Lys Pro Tyr Lys 100 105 110

Cys Asp Glu Cys Gly Glu Ser Phe Lys Gln Ser Ser Asn Leu Ile Gln

His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Gln Cys Asp Glu Cys 135

Gly Arg Cys Phe Ser Gln Ser Ser His Leu Ile Gln His Gln Arg Thr 145 150 155

His Thr Gly Glu Lys Pro Tyr Gln Cys Ser Glu Cys Gly Lys Cys Phe 165 175

Ser Gln Ser Ser His Leu Arg Gln His Met Lys Val His Lys Glu Glu 180 185

Lys Pro Arg Lys Thr Arg Gly Lys Asn Ile Arg Val Lys Thr His Leu

Pro Ser Trp Lys Ala Gly Thr Glu Gly Ser Leu Trp Leu Val Ser Val 210 215 220 -

Lys Tyr Arg Ala Phe 225

<210> 12

<211> 393

<212> PRT

<213> Mouse

<400> 12

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Glu Ala Phe Glu Ser Gly Asp Gln Ala Glu Arg Pro Trp Gly Asp Leu 20 25 30

Thr Ala Glu Glu Trp Val Ser Tyr Pro Leu Gln Gln Val Thr Asp Leu 35 40 45

Leu Val His Lys Glu Ala His Ala Gly Ile Arg Tyr His Ile Cys Ser 50 55 60

Gln Cys Gly Lys Ala Phe Ser Gln Ile Ser Asp Leu Asn Arg His Gln 65 70 75 80

Lys Thr His Thr Gly Asp Arg Pro Tyr Lys Cys Tyr Glu Cys Gly Lys 85 90 95

Gly Phe Ser Arg Ser Ser His Leu Ile Gln His Gln Arg Thr His Thr
100 105 110

Gly Glu Arg Pro Tyr Asp Cys Asn Glu Cys Gly Lys Ser Phe Gly Arg 115 120 125

Ser Ser His Leu Ile Gln His Gln Thr Ile His Thr Gly Glu Lys Pro 130 135 140

His Lys Cys Thr Glu Cys Ala Lys Ala Ser Ala Ala Ser Pro His Leu 145 150 155 160

Ile Gln His Gln Arg Thr His Ser Gly Glu Lys Pro Tyr Glu Cys Glu 165 170 175

Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser His Leu Ala Gln His Gln 180 185 190

Arg Thr His Thr Gly Glu Lys Pro Tyr Glu Cys His Glu Cys Gly Arg

Gly Phe Ser Glu Arg Ser Asp Leu Ile Lys His Tyr Arg Val His Thr

Gly Glu Arg Pro Tyr Lys Cys Asp Glu Cys Gly Lys Asn Phe Ser Gln 225 230 235

Asn Ser Asp Leu Val Arg His Arg Arg Ala His Thr Gly Glu Lys Pro 245 250 255

Tyr His Cys Asn Glu Cys Gly Glu Asn Phe Ser Arg Ile Ser His Leu 260 265 270

Val Gln His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Glu Cys Thr

Ala Cys Gly Lys Ser Phe Ser Arg Ser Ser His Leu Ile Thr His Gln 290 295 300

285

Lys Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Asn Glu Cys Trp Arg 305 310 315 320

Ser Phe Gly Glu Arg Ser Asp Leu Ile Lys His Gln Arg Thr His Thr 325 330 335

Gly Glu Lys Pro Tyr Glu Cys Val Gln Cys Gly Lys Gly Phe Thr Gln 340 345 350

Ser Ser Asn Leu Ile Thr His Gln Arg Val His Thr Gly Glu Lys Pro 355 360 365

Tyr Glu Cys Thr Glu Cys Asp Lys Ser Phe Ser Arg Ser Ser Ala Leu 370 375 380

Ile Lys His Lys Arg Val His Thr Asp 385 390

<210> 13

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Zinc finger domain.

<220>

<221> VARIANT

<222> (13)..(13)

<220>

<221> VARIANT

<222> (15)..(15)

<223> Amino acid 15 is Xaa wherein Xaa = Z2 wherein Z2 = Ser or Arg, Asn or Gln, Thr, Met, or Ala, or Asp or Glu.

<220>

<221> VARIANT

<222> (16)..(16)

<223> Amino acid 16 is Xaa wherein Xaa = Z3 wherein Z3 = His or Lys, Asn or Gln, Ser, Ala, or Met [Val], or Asp or Glu.

```
<220>
<221> VARIANT
<222>
      (19)..(19)
<223> Amino acid 19 is Xaa wherein Xaa = Z6 wherein Z6 = Arg or Lys,
Gln or Asn, Thr, Tyr, Leu, Ile or Met, or Glu or Asp.
<400> 13
Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Xaa Ser Xaa Xaa
Leu Gln Xaa His Gln Arg Thr, His Thr Gly Glu Lys
<210> 14
<211> 10
<212> DNA
       Tomato golden mosaic virus
<400> 14
agtaaggtag
                                                                       10
<210> 15
<211> 28
<212> PRT
<213> Artificial Sequence
<220>
<223> Zinc finger domain.
<400> 15
Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Asp Ser
                5
                                                        15
Leu Gln Arg His Gln Arg Thr His Thr Gly Glu Lys-
            20
<210> 16
<211>
       28
<212>
       PRT
<213>
       Artificial Sequence
<220>
<223>
       Zinc finger domain.
<400> 16
```

Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Arg Ser Asp Asn 1 5 10 15

Leu Gln Gln His Gln Arg Thr His Thr Gly Glu Lys

<210> 17 <211> 28 <212> PRT <213> Artificial Sequence <220>

<223> Zinc finger domain

<400> 17

Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Thr Ser Thr His 1 5 10 15

Leu Gln Gln His Gln Arg Thr His Thr Gly Glu Lys
20 25

<210> 18 <211> 11 <212> PRT <213> Human immunodeficiency virus <400> 18

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg 1 5 10

<210> 19 <211> 30 <212> PRT <213> Artificial Sequence

<220> <223> Acid dimerization peptide.

Ala Gln Leu Glu Lys Glu Leu Gln Ala Leu Glu Lys Glu Asn Ala Gln
1 5 10 15

Leu Glu Trp Glu Leu Gln Ala Leu Glu Lys Glu Leu Ala Gln 20 25 30

<210> 20

<400> 19

```
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<223> Basic dimerization peptide
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Ala Gln Leu Lys Lys Lys Leu Gln Ala Leu Lys Lys Lys Asn Ala Gln
Leu Lys Trp Lys Leu Gln Ala Leu Lys Lys Lys Leu Ala Gln
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<211> 20
<212> PRT
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<223>
      Flexible linker
<400> 21
Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                                   10
Gly Gly Gly Ser
            20
<210> 22
<211> 9
<212> DNA
<213> Artificial Sequence
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<223> Flexible linker
<400> 22
gcagaagcc
<210> 23
<211> 5
<212> PRT
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<213> Artificial Sequence

```
<220>
<223> Flexible linker
<400> 23
Gly Gly Gly Ser
                5
<210>
      24
<211>
       26
<212>
      DNA
<213> Artificial Sequence 6
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      All target polynucleotide
<223>
<400> 24
                                                                       26
tatatataag taaggtagta tatata
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       25
<211>
<212> DNA
<213> Artificial Sequence
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       Target polynucleotide for zinc finger protein Zif268
<223>
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                                                                       26
tatatatagc gtgggcgtta tatata
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       26
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<223>
       ZFP target sequence
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                                                                        26
tatatataag taaggtagta tatata
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       27
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 <212> DNA
 <213> Artificial Sequence
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<220>

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<223> ZFP target sequence
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tatatataag taaggtaata tatata
                                                                     26
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      28
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      26
<212> DNA
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<223> ZFP target sequence &
<400> 28
tatatataag taaggtatta tatata
                                                                     26
<210> 29
<211>
      26
<212> DNA
<213> Artificial Sequence
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<223> ZFP target sequence
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tatatataag taaggtacta tatata
                                                                     26
<210> 30
<211> 84
<212> PRT
<213> Artificial Sequence
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<223> Zinc finger protein
<220>
<221> VARIANT
      (15)..(15)
<223> Amino acid 15 is "Xaa" wherein "Xaa" = is any amino acid.
<400> 30
Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Asp Ser Xaa Ala
                5
                                    10
                                                       15
```

Leu Gln Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys

```
20
```

***** 1 25 30 Pro Glu Cys Gly Lys Ser Phe Ser Gln Ser Ser Asn Leu Gln Lys His 40 Gln Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Arg Ser Asp His Leu Gln Arg His Gln Arg Thr His 70 Thr Gly Glu Lys <210> 31 <211> 10 <212> DNA <213> Artificial Sequence <220> <223> Degenerate DNA probe <220> <221> misc_feature <222> (7)..(10)Nucleotides 7-10 are "n" wherein "n" = g, a, t, or c. <223> <400> 31 ggggaannnn 10 <210> 32 <211> 26 <212> DNA <213> Artificial Sequence <220> <223> Zinc finger domain target sequence <220>

<221> misc_feature

<222> (14)..(16)

<223> Nucleotides 14-16 are "n" wherein "n" = g, a, t, or c.

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tatatatagg ggaannngta tatata

26

<210> 33

<211> 26

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. <212> DNA
 <213> Artificial Sequence
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       Zinc finger domain target sequence
 <220>
 <221> misc_feature
 <222>
       (15)..(17)
 <223> Nucleotides 15-17 are "n" wherein "n" = g, a, t, or c.
 <400> 33
 tatatatagg ggaannnata tatata
                                                                       26
 <210> 34
 <211>
       26
 <212> DNA
 <213> Artificial Sequence
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 <223> Zinc finger domain target sequence
<220>
 <221> misc_feature
 <222> (15)..(17)
 <223> Nucleotides 15-17 are "n" wherein "n" = g, a, t, or c.
 <400> 34
 tatatatagg ggaannntta tatata
                                                                       26
 <210>
        35
 <211>
        26
 <212> DNA
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 <223> Zinc finger domain target sequence
 <220>
 <221> misc_feature
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       (15)..(17)
 <223> Nucleotides 15-17 are "n" wherein "n" = g, a, t, or c.
 <400> 35
                                                                       26
 tatatatagg ggaannncta tatata
 <210>
        36
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<211>

60

```
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<213> Artificial Sequence
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<223> Partial zinc finger domain oligomer
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<221> misc_feature
<222> (45)..(56)
      Nucleotides 45-47 and 51-56 are "n" wherein "n" = g, a, t, or c.
<223>
<400> 36
ggggagaagc cgtataaatg tccggaatgt ggtaaaagtt ttagcnnnag cnnnnnnttg
<210> 37
<211>
       60
<212> DNA
<213> Artificial Sequence
<220>
<223> Partial zinc finger domain oligomer
<220>
<221> misc_feature
<222>
      (37)..(51)
<223> Nucleotides 37-39 and 46-51 are "n" wherein "n" = g, a, t, or c.
<400> 37
tttgtatggt ttttcaccgg tatgggtacg ctgatgnnnc tgcaannnnn ngctnnngct
                                                                     60
<210> 38
<211> 60
<212> DNA
<213> Artificial Sequence
<220>
<223> Partial zinc finger domain oligomer
<220>
<221> misc feature
<222>
       (46)..(57)
       Nucleotides 46-48 and 52-57 are "n" wherein "n" = g, a, t, or c.
<223>
<400> 38
ggtgaaaaac catacaaatg tccagagtgc ggcaaatctt tctctnnntc tnnnnnnctt
                                                                      60
```

<210> 39

```
<211> 60
<212> DNA
<213> Artificial Sequence
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      Partial zinc finger domain oligomer
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<220>
<221> misc feature
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      (37)..(51)
<223> Nucleotides 37-39 and 46-51 are "n" wherein "n" = g, a, t, or c.
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cttgtaaggc ttctcgccag tgtgagtacg ctgatgnnnc tgaagnnnnn nagannnaga
                                                                      60
<210> 40
<211> 56
<212> DNA
<213> Artificial Sequence
<220>
<223> Partial zinc finger domain oligomer
<220>
<221> misc_feature
<222>
      (48)..(58)
<223> Nucleotides 48-50 and 54-58 are "n" wherein "n" = g, a, t, or c.
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ggcgagaagc cttacaagtg ccctgaatgc gggaagagct ttagtnnnag tnnnnn
                                                                      56
<210> 41
<211> 55
<212> DNA
<213> Artificial Sequence
<220>
<223> Partial zinc finger domain oligomer
<220>
<221> misc feature
<222> (28)..(48)
<223> Nucleotides 28-30, 37-42 and 46-48 are "n" wherein "n" =
g, a, t, or c
cttctcccc gtgtgcgtgc gttggtgnnn ttgtaannnn nnactnnnac taaag
                                                                      55
```

```
<210> 42
<211> 45
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                                                                      45
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       43
<211>
       48
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR primer
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cccgggggtc tcaagctttt acttctcccc cgtgtgcgtg cgttggtg
                                                                      48
<210> 44
<211> 10
<212> DNA
<213> Beet curly top virus
<400> 44
                                                                      10
ttgggtgctc
<210> 45
<211> 60
<212> DNA
<213> Artificial Sequence
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       Partial zinc finger domain oligomer
<223>
<400> 45
ggggagaagc cgtataaatg tccggaatgt ggtaaaagtt ttagcaccag cagcgatttg
<210> 46
<211>
       60
<212> DNA
<213> Artificial Sequence
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	51 16 DNA Arabidor	aia						
<400>	51 cacg tggc			<i>f</i> .			. •	16
<210><211><211><212><213>	52 10 DNA Arabidor	osis						
<400> atagtt	52 tacg							. 10
<210><211><212>	53 10 DNA							
<213>	Arabido	psis						
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<210><211><211><212><213>	54 45 DNA Artific	ial Se	equence					
<220> <223>	PCR pri	mer		-				
<400> ttcagg	54 gegg tet	ctcgg	et tete	gccagt	gtgagtacgc	tgatg		45
		ial S	equence	:				
<220>								

<400> ttgggtg	59 **** .				·	1	.0
ccgggcg	,000					-	. •
<210>	60						
<211>	35						
	DNA	•					
	Artificial S	equence					
12207		- 1					
<220>							
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